Technical sheet :

MBL-X 900 90KL ST3

Manitou is committed to bringing value to its backhoe loaders by incorporating advanced and robust features for multi-application capabilities. MBL X 900 is powered by Tier -II/III engine. The structure of MBL X 900 is durable and designed for intensive operations. It comes with the latest cabin design and unbreakable bonnet which promises to deliver higher up-time and require low maintenance, even after prolonged usage. Customers get quick returns on their investments on top of an optimum Total Cost of Ownership. It comes with an option of features such as AC, multipurpose bucket.





MBL-X 900 90KL ST3 Created on September 15, 2025 at 9:47 AM UTC

Capacities	Metric
Wheelbase 2 wheels drive	2185 mm
Wheelbase 4 wheels drive	2130 mm
Weight and dimensions	
Unladen weight	7730 kg
Jnladen weight with 4 WD	7730 kg
Jnladen weight with 4 WD 7 in 1	8018 kg
Jnladen weight 4WD - Center mount	7455 kg
Jnladen weight 4WD - Side shift	7730 kg
Dverall length	l1 7330 mm
Dverall width	b1 2330 mm
Overall width with stabilizers extended - Center mount only	3910 mm
Cabin height	h6 2830 mm
Height of cab with air conditioning (option)	h6** 2860 mm
Dverall height	h17 3790 mm
External turning radius over tyres (braked)	Wa1 3850 mm
External turning radius over tyres (unbraked)	Wa1 4200 mm
External turning radius over tyres (unbraked)	Wa1 4200 mm
External turning radius over bucket (unbraked)	Wa5 5700 mm
Standard tires front / rear	12.5 x 18 - 12 PR / 16.9 x 28-12PR
Deptional tyre (front / rear)	9 x 16 - 16 PR / 14 x 25 - 20 PR
Reach at travelling	c2 2098 mm
Rear axle center to slew center	c3 1293 mm
Departure angle	a2 20 °
Angle of Approach	a3 66 °
Ground clearance	m4 280 mm
Performances	
Fravel speed forward 1st / 2nd	5.40 km/h / 8.60 km/h
Fravel speed forward 3rd / 4th	19.90 km/h / 40 km/h
Engine	
Engine brand	Kirloskar
Engine model	4R1040TA1 Turbo Charged Water Cooled BSI
Displacement	4.15
Gross Power / Power	67.12 kW @ 2200 rpm
Max. torque	350 Nm
Battery voltage / capacity	12 V / 65 Ah
Transmission	
Transmission brand	Carraro
Number of gears (forward / reverse)	4 / 4
Forque converter stall ratio	2.64:1
Service brake	2.04.1 Wet disc brakes
	Wet disc blakes
lydraulics	
Hydraulic flow	142 l/min
Aain relief pressure	225 bar
Fank capacities	
łydraulic oil	90
iquid cooling tank volume	16
uel tank	145
Fransmission oil	17.50 l
Engine oil	9.10
)il rear axle	17.50 l
lucket	
lackhoe standard capacity	0.24 m³
Vidth backhoe bucket	892 mm
oader standard capacity	1 m³
Nidth loader bucket	2235 mm
Viscellaneous	
Power steering	Yes
Front steer axle of oscillation 2WD	20 °
Front steer axle of oscillation 4WD	20 16 °
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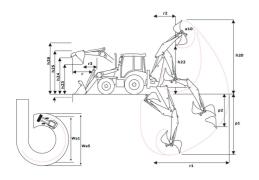
Performance backhoe

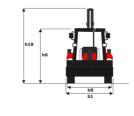
	Standard dipper
p1 - Max dig depth (mm)	4741
r1 - Max reach ground level to slew center (mm)	5730
r2 - Max loading reach (mm)	1996
Max operating height (mm)	5626
Max loading height (mm)	3871
p2 - Max straight wall dig depth (mm)	2602
a10 - Max bucket rotation (°)	194
Total side shift (mm)	1198
Dipper tearout (kgF)	4336
Bucket tearout (kgF)	5810
Hydraulic lift capacity (kg)	1460

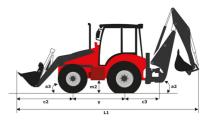
Performance loader

Max dump angle (°)
h26 - Max operating height (loader version) (mm)
h23 - Max dump height at 45° (mm)
h24 - Max loadover height (mm)
h25 - Max hinge pin height (mm)
r3 - Max reach at full height 45° (mm)
p3 - Below ground dig depth (mm)
a13 - Rollback at ground (°)
Shovel breakout (kgf)
Arms breakout (kgF)
Lifting capacity at full height (kg)

MBL-X 900 90KL ST3 - Dimensional drawing









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